

SEQUENCE LISTING

<110> PIERRE FABRE MEDICAMENT
 <120> USE OF BACTERIAL MEMBRANE FRACTIONS WITH ADJUVANT EFFECT, THEIR METHODS OF PREPARATION AND PHARMACEUTICAL COMPOSITION CONTAINING THEM
 <130> D17975
 <140> FR 99 03513
 <141> 1999-03-15
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 <170> PatentIn Vers. 2.0
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 <212> DNA
 <213> Klebsiella pneumoniae
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 <222> (1)..(1032)
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 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
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 tac ggt aac ggt ttc cag aac aac aac ggt ccg acc cgt aac gat cag 144
 Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
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 ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt 192
 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
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 ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc agc 240
 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
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 gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa 288
 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
 85 90 95
 ctg ggt tac ccg atc act gac gat ctg gac atc tac acc cgt ctg ggc 336
 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
 100 105 110
 ggc atg gtt tgg cgc gct gac tcc aaa ggc aac tac gct tct acc ggc 384
 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
 115 120 125
 gtt tcc cgt agc gaa cac gac act ggc gtt tcc cca gta ttt gct ggc 432
 Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
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 ggc gta gag tgg gct gtt act cgt gac atc gct acc cgt ctg gaa tac 480
 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
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 cag tgg gtt aac aac atc ggc gac gcg ggc act gtg ggt acc cgt cct 528
 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
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Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
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 gct acc aag cac ttc acc ctg aag tct gac gtt ctg ttc aac ttc aac 672
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 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
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 ggc tac acc gac cgc atc ggt tcc gaa gct tac aac cag cag ctg tct 816
 Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
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 gag aaa cgt gct cag tcc gtt gtt gac tac ctg gtt gct aaa ggc atc 864
 Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
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 Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
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<211> 344

<212> PRT

<213> Klebsiella pneumoniae

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 35 40 45
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 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
 65 70 75 80
 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
 85 90 95
 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
 100 105 110
 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
 115 120 125
 Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
 130 135 140
 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
 145 150 155 160

Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
 165 170 175
Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
 180 185 190
Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val
 195 200 205
Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn
 210 215 220
Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr
 225 230 235 240
Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
 245 250 255
Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
 260 265 270
Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
 275 280 285
Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
 290 295 300
Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
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<221> CDS
<222> (1)..(303)

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Pro Thr Thr Lys Gln Arg Gln Asn Lys Pro Pro Asn Lys Pro Asn Asn
20 25 30
gat ttc cat ttc gaa gtg ttc aac ttc gtg ccg tgc agc atc tgc agc 144
Asp Phe His Phe Glu Val Phe Asn Phe Val Pro Cys Ser Ile Cys Ser
35 40 45
aac aac ccg acc tgc tgg gcg atc tgc aaa cgt atc ccg aac aaa aaa 192
Asn Asn Pro Thr Cys Trp Ala Ile Cys Lys Arg Ile Pro Asn Lys Lys
50 55 60
ccg ggc aaa aaa acc acg acc aaa ccg acc aaa aaa ccg acc ttc aaa 240
Pro Gly Lys Lys Thr Thr Thr Lys Pro Thr Lys Lys Pro Thr Phe Lys
65 70 75 80
acc acc aaa aaa gat cat aaa ccg cag acc acc aaa ccg aaa gaa gtg 288
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ccg acc acc aaa ccg 303
Pro Thr Thr Lys Pro
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